

CITATION REPORT

List of articles citing

Bimetallic AgAu nanoparticles: Extracting meaningful optical constants from the surface-plasmon extinction spectra

DOI: 10.1063/1.1449943

Journal of Chemical Physics, 2002, 116, 10435-10446.

Source: <https://exaly.com/paper-pdf/34088314/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
233	Analysis of Smith-Purcell radiation in optical region. 2007 , 15, 16222		
232	Analysis of Smith-Purcell radiation in optical region. 2007 , 15, 16222		
231	Solution-Phase Synthesis of Sub-10 nm Au/Ag Alloy Nanoparticles. <i>Nano Letters</i> , 2002 , 2, 1235-1237	11.5	494
230	Theoretical study of the optical absorption behavior of Au/Ag core-shell nanoparticles. 2003 , 23, 965-970		26
229	Towards a magnetic core-shell nanostructure: a novel composite made by a citrate-triurate auto-ignition process. 2003 , 103, 262-270		13
228	Synthesis of Metal Alloy Nanoparticles in Solution by Laser Irradiation of a Metal Powder Suspension. 2003 , 107, 6920-6923		75
227	Growth of three-shell onionlike bimetallic nanoparticles. 2003 , 90, 135504		250
226	Light Scattering by Gold Nanoparticles: Role of Simple Dielectric Models. 2004 , 108, 10853-10858		19
225	Bimetallic (Ag)Au nanoparticles prepared by the seed growth method: two-dimensional assembling, characterization by energy dispersive X-ray analysis, X-ray photoelectron spectroscopy, and surface enhanced raman spectroscopy, and proposed mechanism of growth. 2004 , 20, 3407-15		148
224	Gold nanoparticles: assembly, supramolecular chemistry, quantum-size-related properties, and applications toward biology, catalysis, and nanotechnology. <i>Chemical Reviews</i> , 2004 , 104, 293-346	68.1	10977
223	Composition-controlled synthesis of bimetallic gold-silver nanoparticles. 2004 , 20, 11240-6		117
222	Theoretical study of the optical absorption properties of Au/Ag bimetallic nanospheres. 2005 , 27, 296-301		57
221	AuAg _y @ZrO ₂ core-shell nanoparticles: synthesis, characterization, reactivity and optical limiting. 2005 , 117, 173-182		32
220	Tuning the surface plasmon resonance by preparation of gold-core/silver-shell and alloy nanoparticles. 2005 , 34, 165-168		46
219	Dependence of the enhanced optical scattering efficiency relative to that of absorption for gold metal nanorods on aspect ratio, size, end-cap shape, and medium refractive index. 2005 , 109, 20331-8		497
218	Preparation and characterization of gold-coated silver triangular platelets in nanometer scale. 2005 , 90, 361-366		13
217	Seed-Mediated Growth of Bimetallic Prisms. 2005 , 17, 1027-1031		90

216	Synthesis and catalytic activity of gold-silver binary nanoparticles stabilized by PAMAM dendrimer. 2005 , 286, 602-9		86
215	Modeling interband transitions in silver nanoparticle-fluoropolymer composites. 2005 , 109, 2693-8		45
214	Structural and thermal behavior of compact core-shell nanoparticles: Core instabilities and dynamic contributions to surface thermal stability. 2005 , 72,		32
213	Impacts that pH and metal ion concentration have on the synthesis of bimetallic and trimetallic nanorods from gold seeds. 2005 , 15, 2450		25
212	Electronic dephasing in bimetallic gold-silver nanoparticles examined by single particle spectroscopy. 2005 , 109, 20324-30		64
211	Global optimization of bimetallic cluster structures. I. Size-mismatched Ag-Cu, Ag-Ni, and Au-Cu systems. <i>Journal of Chemical Physics</i> , 2005 , 122, 194308	3.9	276
210	Gold/palladium and silver/palladium colloids as novel metallic substrates for surface-enhanced Raman scattering. 2005 , 59, 194-9		25
209	Synthesis, characterization, and structure-selective extraction of 1-3-nm diameter AuAg dendrimer-encapsulated bimetallic nanoparticles. 2005 , 127, 1015-24		218
208	Photon Emission Spectroscopy of Single Oxide-Supported Ag-Au Alloy Clusters. 2005 , 72,		74
207	Optical response of strongly coupled metal nanoparticles in dimer arrays. 2005 , 71,		39
206	A simple method for measuring the size of metal nanoclusters in solution. 2006 , 110, 17437-43		34
205	Optical properties of Au-Ag nanoboxes studied by single nanoparticle spectroscopy. 2006 , 110, 19923-8		77
204	A simple and green method for the synthesis of Au, Ag, and AuAg alloy nanoparticles. 2006 , 8, 34-38		495
203	Anisotropic syntheses of boat-shaped core-shell AuAg nanocrystals and nanowires. <i>Nanotechnology</i> , 2006 , 17, 2304-2310	3.4	29
202	Stable Tin (n = 2-15) clusters and their geometries: DFT calculations. 2006 , 110, 10274-8		53
201	Homogeneous silver-coated nanoparticle substrates for enhanced fluorescence detection. 2006 , 110, 23085-91		85
200	Ag and Au Monometallic and Bimetallic Colloids: Morphogenesis in Amphiphilic Block Copolymer Solutions. 2006 , 18, 2577-2583		75
199	Synthesis and optical property of beta-brass colloid. 2006 , 110, 2084-6		9

198	Estimation of dielectric function of biotin-capped gold nanoparticles via signal enhancement on surface plasmon resonance. 2006 , 110, 15755-62		48
197	Fabrication of nanorattles with passive shell. 2006 , 110, 19162-7		34
196	Near-field and far-field scattering by bimetallic nanoshell systems. 2006 , 110, 11050-4		36
195	Characterization of core-shell type and alloy Ag/Au bimetallic clusters by using extended X-ray absorption fine structure spectroscopy. 2006 , 421, 118-123		84
194	Gold and silver nanoparticles in sensing and imaging: sensitivity of plasmon response to size, shape, and metal composition. 2006 , 110, 19220-5		1583
193	Preparation and Optical Characterization of Core-Shell Bimetal Nanoparticles. 2006 , 1, 79-85		60
192	Synthesis of silver-gold alloy nanoparticles by a phase-transfer system. 2006 , 21, 105-111		32
191	Effect of interface resistance on terahertz pulses in bimetallic microparticles. 2006 , 73,		10
190	Formation of Star-Like and Core-Shell AuAg Nanoparticles during Two- and Three-Step Preparation in Batch and in Microfluidic Systems. 2007 , 2007, 1-7		30
189	Preparation and optical characterization of core-shell bi-metallic nanoparticles. 2007 ,		
188	Analysis of Smith-Purcell radiation in optical region. <i>Optics Express</i> , 2007 , 15, 16222-9	3.3	17
187	Self-consistent determination of plasmonic resonances in ternary nanocomposites. 2007 , 75,		24
186	Implementation of the critical points model in the recursive convolution method for modelling dispersive media with the finite-difference time domain method. 2007 , 9, 745-748		50
185	Description of dispersion properties of metals by means of the critical points model and application to the study of resonant structures using the FDTD method. 2007 , 40, 7152-7158		116
184	Controlled Reversible Adsorption of Core-Shell Metallic Nanoparticles at the Polarized Water/1,2-Dichloroethane Interface Investigated by Optical Second-Harmonic Generation <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8849-8855	3.8	17
183	Correlated Rayleigh Scattering Spectroscopy and Scanning Electron Microscopy Studies of Au-Ag Bimetallic Nanoboxes and Nanocages. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12558-12565	3.8	67
182	Synthesis of Normal and Inverted Gold-Silver Core-Shell Architectures in β -Cyclodextrin and Their Applications in SERS. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10806-10813	3.8	249
181	Density functional study of structural and electronic properties of small bimetallic silver-nickel clusters. 2007 , 111, 7726-31		29

180	Formation of Au/Ag Nanoparticles in a Two Step Micro Flow-Through Process. 2007 , 30, 347-354	33
179	Synthesis of Au/Ag alloy nanoparticles by Nd:YAG laser irradiation. 2007 , 4, 133-137	30
178	Synthesis of composite films of mixed Ag/Au nanocrystallites embedded in DLC matrix and associated surface plasmon properties. 2007 , 253, 3649-3657	20
177	rf reactive co-sputtered Au/Ag alloy nanoparticles in SiO ₂ thin films. 2007 , 253, 7438-7442	30
176	Catalytic activity of Ag/Pd bimetallic nanoparticles immobilized on quartz surfaces. 2007 , 438, 290-293	36
175	Efficient dielectric function for FDTD simulation of the optical properties of silver and gold nanoparticles. 2007 , 446, 115-118	164
174	Synthesis of block copolymer-stabilized Au-Ag alloy nanoparticles and fabrication of poly(methyl methacrylate)/Au-Ag nanocomposite film. 2007 , 313, 717-23	23
173	SPR-based DNA Detection with Metal Nanoparticles. 2007 , 2, 185-191	37
172	Laser synthesis of Au/Ag colloidal nano-alloys: Optical properties, structure and composition. 2007 , 254, 1007-1011	64
171	Ag/Au alloy nanoparticles prepared by electro-exploding wire technique. 2008 , 10, 1027-1036	44
170	Optical properties and ultrafast electron dynamics in gold/silver alloy and core/shell nanoparticles. 2008 , 93, 39-45	37
169	Spectroscopic evidence of a core/shell structure in the earlier formation stages of Au/Ag nanoparticles by pulsed laser ablation in water. 2008 , 457, 386-390	59
168	Electric field enhancement in bimetallic gold and silver nanoshells. 2008 , 148, 163-167	37
167	A computational study of the optical response of strongly coupled metal nanoparticle chains. 2008 , 281, 855-864	22
166	Preparation of Au/Ag, Ag/Au core/shell bimetallic nanoparticles for surface-enhanced Raman scattering. 2008 , 58, 862-865	209
165	One-Dimensional Nanostructures. 2008 ,	19
164	Formation and properties of metal colloids and colloidal nano-alloys by laser ablation and irradiation of metals in liquids. 2008 , 163, 271-276	5
163	Correlated Optical Spectroscopy and Transmission Electron Microscopy of Individual Hollow Nanoparticles and their Dimers. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15989-15996	3.8 27

162	Chip-based molecular diagnostics using metal nanoparticles. 2008 , 2, 813-28		7
161	Theoretical investigation on near-infrared and visible absorption spectra of nanometallic aluminium with oxide coating in nanoenergetic materials: size and shape effects. 2008 , 17, 3505-3511		5
160	First principles calculations of the electronic and geometric structure of Ag ₂₇ Cu ₇ nanoalloy. 2008 , 77,		32
159	Tunable surface plasma resonance frequency in Ag core/Au shell nanoparticles system prepared by laser ablation. 2008 , 92, 023116		51
158	Cubic nonlinear optical properties of ag nanoparticles and Ag/Au coreshells. 2008 , 109, 012024		1
157	Structure and optical properties of core-shell bimetallic Ag(n)Ni(n) clusters: Comparison with pure silver and nickel clusters. <i>Journal of Chemical Physics</i> , 2009 , 131, 174302	3.9	31
156	Near-field investigations of nanoshell cylinder dimers. <i>Journal of Chemical Physics</i> , 2009 , 131, 164704	3.9	19
155	Surface Plasmon Resonance from Bimetallic Interface in Au-Ag Core-Shell Structure Nanowires. 2009 , 4, 977-981		68
154	Core-shell Au-Ag nanoparticles in dielectric nanocomposites with plasmon-enhanced fluorescence: A new paradigm in antimony glasses. 2009 , 2, 607-616		83
153	Optical properties and SERS efficiency of tunable gold/silver nanoshells. 2009 , 50, 43-47		54
152	Ag nanoparticle-filled polymer shell formed around Au nanoparticle core via ultrasound-assisted spherulite growth. 2009 , 311, 1565-1570		19
151	SERS study of the controllable release of nitric oxide from aromatic nitrosothiols on bimetallic, bifunctional nanoparticles supported on carbon nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 56-9	9.5	22
150	Optical properties of bimetallic nanospheres: effect of diffuse electron density profiles at the boundary surfaces. <i>Journal of Chemical Physics</i> , 2009 , 130, 204702	3.9	6
149	Silver-copper alloy nanoparticles for metal enhanced luminescence. 2009 , 95, 131115		28
148	Tunable Surface Plasmon Band of Position Selective Ag and Au Nanoparticles in Thin Block Copolymer Micelle Films. 2009 , 21, 4248-4255		35
147	Dielectric resonances at optical frequencies using metal nanoshells. 2009 , 42, 135420		8
146	Probing the surface-enhanced Raman scattering properties of Au-Ag nanocages at two different excitation wavelengths. 2009 , 11, 5903-8		104
145	Optical Properties of Rodlike Metallic Nanostructures: Insight from Theory and Experiment. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15524-15532	3.8	45

144	Structural, vibrational and thermodynamic properties of Ag(n)Cu(34-n) nanoparticles. 2009 , 21, 084220		13
143	Nature and strength of M-S bonds (m = Au, Ag, and Cu) in binary alloy gold clusters. 2010 , 114, 9212-21		142
142	Controlled Synthesis of Uniform Silver Nanospheres <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7427-7438	3.8	106
141	Preparation and plasmonic properties of polymer-based composites containing Ag/Au alloy nanoparticles produced by vapor phase co-deposition. 2010 , 45, 5865-5871		42
140	Fabrication of optically tunable silica nanocapsules containing Ag/Au nanostructures by confined galvanic replacement reaction. 2010 , 12, 985-992		7
139	Optical response and surface morphology of In/Ag bilayer thin films. 2010 , 124, 150-154		1
138	Nanomaterials in pollution trace detection and environmental improvement. 2010 , 5, 128-142		315
137	Au nanoparticle based localized surface plasmon resonance substrates fabricated by dynamic shadowing growth. <i>Nanotechnology</i> , 2010 , 21, 175303	3.4	11
136	Structural, electronic, magnetic and optical properties of icosahedral silver-nickel nanoclusters. 2010 , 12, 4246-54		44
135	Laser-ablation-induced synthesis of SiO ₂ -capped noble metal nanoparticles in a single step. 2010 , 26, 7458-63		58
134	Publications of Martin Moskovits. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7218-7225	3.8	
133	One-pot solvent-free synthesis of sodium benzoate from the oxidation of benzyl alcohol over novel efficient AuAg/TiO ₂ catalysts. 2011 , 13, 1644		27
132	Computational Prediction of Molecular Photoresponse upon Proximity to Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13961-13967	3.8	12
131	Processing Core/Alloy/Shell Nanoparticles: Tunable Optical Properties and Evidence for Self-Limiting Alloy Growth. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 9933-9942	3.8	27
130	Rayleigh-like instability in the ion-shaping of Au-Ag alloy nanoparticles embedded within a silica matrix. <i>Nanotechnology</i> , 2011 , 22, 175305	3.4	18
129	Modeling and calculation of light absorption in silicon/metal nanocomposites. 2011 , 274, 012114		
128	References. 2011 , 441-477		1
127	Core@shell bimetallic nanoparticle synthesis via anion coordination. 2011 , 3, 478-83		211

126	Controlling the synthesis and assembly of silver nanostructures for plasmonic applications. <i>Chemical Reviews</i> , 2011 , 111, 3669-712	68.1	2056
125	Templated techniques for the synthesis and assembly of plasmonic nanostructures. <i>Chemical Reviews</i> , 2011 , 111, 3736-827	68.1	981
124	Optical and structural properties of Au-Ag islands films for plasmonic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 103, 745-748	2.6	15
123	Enhanced plasmonic behavior of bimetallic (Ag-Au) multilayered spheres. 2011 , 6, 279		60
122	Synthesis of Au(Core)/Ag(Shell) nanoparticles and their conversion to AuAg alloy nanoparticles. 2011 , 7, 230-4		116
121	ORDERING AND SEGREGATION IN BIMETALLIC FePt NANOPARTICLES. 2012 , 11, 1250011		1
120	Correlating electron tomography and plasmon spectroscopy of single noble metal core-shell nanoparticles. <i>Nano Letters</i> , 2012 , 12, 145-50	11.5	44
119	Simplified PIC-FDTD simulation for the development of tunable table-top Smith-Purcell terahertz free electron laser. 2012 ,		
118	Dendrimer-mediated synthesis and shape evolution of gold-silver alloy nanoparticles. 2012 , 405, 22-29		26
117	Electronic Spectroscopy: Ultra Violet-Visible and near IR Spectroscopies. 2012 , 89-147		4
116	Topotaxial fabrication of vertical Au _x Ag _{1-x} nanowire arrays: plasmon-active in the blue region and corrosion resistant. 2012 , 8, 1527-33		11
115	Metal Nanoparticles for Molecular Plasmonics. 2012 , 1-37		4
114	Polymer-supported bimetallic Ag@AgAu nanocomposites: synthesis and catalytic properties. 2012 , 7, 1781-8		27
113	Vapor Phase Deposition, Structure, and Plasmonic Properties of Polymer-Based Composites Containing Ag-Au Bimetallic Nanoparticles. 2012 , 7, 107-114		21
112	Optical Plasmon Properties of Co-Ag Nanocomposites Within the Mean-Field Approximation. 2012 , 7, 137-141		14
111	Tunable synthesis and acetylation of dendrimer-entrapped or dendrimer-stabilized gold-silver alloy nanoparticles. 2012 , 94, 58-67		54
110	Studies of copper-silver glass-metal nanocomposites. 2013 , 45, 366-368		1
109	One-pot synthesis of various Ag-Au bimetallic nanoparticles with tunable absorption properties at room temperature. 2013 , 46, 185-193		11

108	Predicting the Surface Plasmon Resonance Wavelength of GoldSilver Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 19142-19145	3.8	64
107	Seeding Bimetallic Nanostructures as a New Class of Plasmonic Colloids. 2013 , 4, 3072-3082		72
106	One-pot synthesis of porous gold nanoparticles by preparation of Ag/Au nanoparticles followed by dealloying. 2013 , 436, 823-829		11
105	Spin-orbit and relativistic all-electron potential energy curves for the ground and low-lying excited states of AgAu. 2013 , 15, 18678-87		8
104	Exploiting the Tunable Optical Response of Metallic Nanoshells. 2013 , 99-149		1
103	Green synthesis of AuAg alloy nanoparticles using Cacumen platycladi extract. 2013 , 3, 1878-1884		85
102	UV-VIS and Photoluminescence Spectroscopy for Nanomaterials Characterization. 2013 ,		30
101	Efficient energy transfer from InGaN quantum wells to Ag nanoparticles. 2013 , 15, 3618-22		8
100	Growth Characteristics and Optical Properties of Core/Alloy Nanoparticles Fabricated via the Layer-by-Layer Hydrothermal Route. 2013 , 25, 3105-3113		12
99	Inorganic Particles. 2013 , 273-288		
98	Surface Enhanced Raman Scattering Studies of Silver-gold Normal and Inverted Core-shell Nanostructures on their Efficiency of Detecting Molecules. 2014 , 92, 19-25		7
97	GPGPU-based parallel computing of PIC-FDTD simulation for the development of novel terahertz radiation devices. 2014 ,		1
96	Local plasmon resonances of metal-in-metal core-shells. <i>Optics Express</i> , 2014 , 22, 3186-98	3.3	14
95	Potential energy curves for the ground and low-lying excited states of CuAg. <i>Journal of Chemical Physics</i> , 2014 , 141, 154301	3.9	4
94	Direct writing of flexible bimetallic nanoparticles for hybrid plasmon response. 2014 , 105, 151908		5
93	Synergistic effect on Au-Pd bimetallic catalyst during oxidation of benzyl alcohol to sodium benzoate. 2014 , 35, 1846-1853		8
92	An Analytic Model for the Dielectric Function of Au, Ag, and their Alloys. <i>Advanced Optical Materials</i> , 2014 , 2, 176-182	8.1	168
91	The effect of nonhomogeneous silver coating on the plasmonic absorption of AuAg core-shell nanorod. 2014 , 47, 47-55		28

90	Plasmonic properties of Au-Ag nanoparticles: Distinctiveness of metal arrangements by optical study. 2014 , 115, 053517		11
89	One-pot eco-friendly synthesis of gold nanoparticles by glycerol in alkaline medium: Role of synthesis parameters on the nanoparticles characteristics. 2014 , 55, 131-136		16
88	Environmentally compatible bioconjugated gold nanoparticles as efficient contrast agents for colorectal cancer cell imaging. 2014 , 196, 306-313		11
87	Impact of the AuAg NPs Composition on Their Structure and Properties: A Theoretical and Experimental Investigation. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28868-28875	3.8	28
86	Kinetically controlled nucleation of silver on surfactant-free gold seeds. 2014 , 136, 15337-45		50
85	Eco-friendly synthesis of bimetallic AuAg nanoparticles. 2014 , 38, 2865-2873		44
84	Aptamer based surface enhanced Raman scattering detection of adenosine using various core sizes of AuAg core-shell nanoparticles. 2014 , 4, 26251-26257		14
83	Photochemical synthesis of bimetallic and anisotropic Au-containing nanoparticles using a one-step protocol. 2014 , 2, 17574-17585		10
82	Discrete dipole approximation analysis of plasmonic core/alloy nanoparticles. 2014 , 15, 2582-7		1
81	Continuous-Microflow Synthesis and Morphological Characterization of Multiscale Composite Materials Based on Polymer Microparticles and Inorganic Nanoparticles. 2014 , 4, 72-78		8
80	Enhancement in the excitonic spontaneous emission rates for Si nanocrystal multi-layers covered with thin films of Au, Ag, and Al. <i>Nanotechnology</i> , 2015 , 26, 435701	3-4	
79	Temperature dependence of exciton-surface plasmon polariton coupling in Ag, Au, and Al films on InxGa1-xN/GaN quantum wells studied with time-resolved cathodoluminescence. 2015 , 117, 043105		8
78	AgPd and CuPd nanoparticles in a hydroxyl-group functionalized ionic liquid: synthesis, characterization and catalytic performance. 2015 , 5, 1683-1692		43
77	Wavelength dispersion of the local field intensity in silver-gold nanocages. 2015 , 17, 7355-65		16
76	New insights into the formation mechanism of Ag, Au and AgAu nanoparticles in aqueous alkaline media: alkoxides from alcohols, aldehydes and ketones as universal reducing agents. 2015 , 17, 21683-93		51
75	Localized Surface Plasmon Resonance Enhanced Third-Order Nonlinearity of Al Nanoshells in Silica. 2015 , 10, 211-217		3
74	Photochemical transformations on plasmonic metal nanoparticles. 2015 , 14, 567-76		1023
73	Surface plasmon resonances of Ag-Au alloy nanoparticle films grown by sequential pulsed laser deposition at different compositions and temperatures. 2015 , 117, 133105		20

72	Effect of the Composition on the Nonlinear Optical Response of AuAg _{1-x} Nano-Alloys. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6861-6872	3.8	34
71	The Study of Tunable Local Surface Plasmon Resonances on Au-Ag and Ag-Au Core-Shell Alloy Nanostructure Particles With DDA Method. 2015 , 10, 1791-1800		15
70	Ultraviolet-visible interband plasmonics with p-block elements. 2016 , 6, 2434		24
69	Quantum effects in the plasmon response of bimetallic core-shell nanostructures. <i>Optics Express</i> , 2016 , 24, 23941-23956	3.3	7
68	Biocompatible gold/silver nanostars for surface-enhanced Raman scattering. 2016 , 47, 651-655		12
67	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. <i>Chemical Reviews</i> , 2016 , 116, 10414-7268.1		1046
66	Low-Lying Electronic States of CuAu. 2016 , 120, 5856-67		2
65	Direct synthesis of size-tailored bimetallic Ag/Au nano-spheres and nano-chains with controllable compositions by laser ablation of silver plate in HAuCl ₄ solution. 2016 , 6, 9549-9553		12
64	Broadband optical absorption enhancement of N719 dye in ethanol by gold/silver alloy nanoparticles fabricated under laser ablation technique. 2016 , 10, 026009		4
63	Restructuring hollow AuAg nanostructures for improved SERS activity. <i>Materials Research Express</i> , 2016 , 3, 105012	1.7	1
62	Surface plasmon resonance sensor based on photonic crystal fiber filled with core-shell Ag-Au nanocomposite materials. 2016 , 55, 117104		12
61	Engineering high refractive index sensitivity through the internal and external composition of bimetallic nanocrystals. <i>Nanoscale</i> , 2016 , 8, 16841-5	7.7	15
60	Preparation of gold and gold/silver alloy nanoparticles for enhancement of plasmonic dye-sensitized solar cells performance. 2016 , 126, 93-104		46
59	Interband-transition-modified third-order nonlinear optical properties of Al nanoshells in carbon disulfide. 2016 , 6, 10038-10043		2
58	Self-healing gold mirrors and filters at liquid-liquid interfaces. <i>Nanoscale</i> , 2016 , 8, 7723-37	7.7	30
57	Electron Energy Loss Spectroscopy Study of the Full Plasmonic Spectrum of Self-Assembled AuAg Alloy Nanoparticles: Unraveling Size, Composition, and Substrate Effects. <i>ACS Photonics</i> , 2016 , 3, 130-138.3	6.3	28
56	Effect of Chemical Nature of the Surface on the Mechanism and Selection Rules of Charge-Transfer Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2858-2871	3.8	20
55	Theoretical Study of Hydrogen Adsorption on Icosahedral Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8613-8622	3.8	12

54	Theoretical investigation of the weak interactions of rare gas atoms with silver clusters by resonance Raman spectroscopy modeling. 2017 , 117, e25389	3
53	Controlling Metal-Enhanced Fluorescence Using Bimetallic Nanoparticles. 2017 , 73-89	1
52	Preparation of Au@Ag bimetallic nanoparticles for enhanced solar photothermal conversion. 2017 , 114, 1098-1104	37
51	Modelling the dielectric function of Au-Ag alloys. 2017 , 694, 857-863	9
50	Anti-inflammatory, analgesic and anti-tumor properties of gold nanoparticles. 2017 , 69, 119-129	43
49	Losses in plasmonics: from mitigating energy dissipation to embracing loss-enabled functionalities. 2017 , 9, 775	79
48	Characterization of metal, semiconductor, and metal-semiconductor core-shell nanostructures. 2017 , 51-77	5
47	Surface plasmon resonance enhanced light absorption and wavelength tuneable in gold-coated iron oxide spherical nanoparticle. 2018 , 456, 368-371	13
46	Quantitative and ultrasensitive detection of multiplex cardiac biomarkers in lateral flow assay with core-shell SERS nanotags. 2018 , 106, 204-211	166
45	Merely Measuring the UV-Visible Spectrum of Gold Nanoparticles Can Change Their Charge State. <i>Nano Letters</i> , 2018 , 18, 669-674	11.5 12
44	Lipopolysaccharides and peptidoglycans modulating the interaction of Au nanoparticles with cell membranes models at the air-water interface. 2018 , 238, 22-29	10
43	Quantitative detection of multiplex cardiac biomarkers with encoded SERS nanotags on a single T line in lateral flow assay. 2018 , 277, 502-509	56
42	Optical Properties of Self-healing Gold Nanoparticles Mirrors and Filters at Liquid-Liquid Interfaces. <i>Springer Theses</i> , 2018 , 119-143	0.1
41	Combination Law for Drude-Sommerfeld's Electron Damping in Multilayer Thin Metal Films. 2018 , 12, 1800149	2
40	On the passivation of iron particles at the nanoscale. 2019 , 1, 2276-2283	9
39	Functionalized Au@Ag Nanoparticles as an Optical and SERS Dual Probe in a Lateral Flow Strip for the Quantitative Detection of Escherichia coli O157:H7. 2019 , 84, 2916-2924	13
38	Mediation of the relationship between phthalate exposure and semen quality by oxidative stress among 1034 reproductive-aged Chinese men. 2019 , 179, 108778	10
37	Confined clustering of AuCu nanoparticles under ambient conditions. 2019 , 383, 125985	3

36	Structural characterization of Au nano bipyramids: reshaping under thermal annealing, the capping agent effect and surface decoration with Pt. <i>Nanotechnology</i> , 2019 , 30, 205701	3.4	2
35	Helium nanodroplet assisted synthesis of bimetallic Ag@Au nanoparticles with tunable localized surface plasmon resonance. 2019 , 73, 1		5
34	Vertical flow assays based on core-shell SERS nanotags for multiplex prostate cancer biomarker detection. <i>Analyst, The</i> , 2019 , 144, 4051-4059	5	29
33	Optical Property-Composition Correlation in Noble Metal Alloy Nanoparticles Studied with EELS. <i>ACS Photonics</i> , 2019 , 6, 779-786	6.3	27
32	AuAg alloy nanoparticles supported on ordered mesoporous carbon (CMK-3) with remarkable solar thermal conversion efficiency. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	6
31	Optical Absorption of a Composite Based on Bimetallic Nanoparticles. Classical Approach. <i>Physics of Metals and Metallography</i> , 2019 , 120, 1040-1046	1.2	4
30	Theoretical calculation of optical absorption property of Cu@Ag core-shell composite nanoparticle. <i>Materials Research Express</i> , 2019 , 6, 026201	1.7	8
29	The Calculated Dielectric Function and Optical Properties of Bimetallic Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2721-2727	3.8	8
28	Emergent Opportunities with Metallic Alloys: From Material Design to Optical Devices. <i>Advanced Optical Materials</i> , 2020 , 8, 2001082	8.1	3
27	Dual-Mode Infrared Absorption by Segregating Dopants within Plasmonic Semiconductor Nanocrystals. <i>Nano Letters</i> , 2020 , 20, 7498-7505	11.5	7
26	Manipulating Bimetallic Nanostructures With Tunable Localized Surface Plasmon Resonance and Their Applications for Sensing. <i>Frontiers in Chemistry</i> , 2020 , 8, 411	5	15
25	Low-lying electronic terms of diatomic molecules AB (A = ScNi, B = Cu/Ag/Au). <i>Molecular Physics</i> , 2020 , 118, e1772514	1.7	0
24	Quantitative and ultrasensitive detection of brombuterol by a surface-enhanced Raman scattering (SERS)-based lateral flow immunochromatographic assay (FLIA) using Ag@Au-Ab as an immunoprobe. <i>Analyst, The</i> , 2021 , 146, 296-304	5	0
23	Noble-Metal Based Random Alloy and Intermetallic Nanocrystals: Syntheses and Applications. <i>Chemical Reviews</i> , 2021 , 121, 736-795	68.1	92
22	Self-Assembled BaTiO-AuAg Low-Loss Hybrid Plasmonic Metamaterials with an Ordered "Nano-Domino-like" Microstructure. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5390-5398	9.5	3
21	Self-Assembled Metal-Dielectric Hybrid Metamaterials in Vertically Aligned Nanocomposite Form with Tailorable Optical Properties and Coupled Multifunctionalities. <i>Advanced Photonics Research</i> , 2021 , 2, 2000174	1.9	4
20	<i>Ukrainian Journal of Physics</i> , 2021 , 66, 518	0.4	1
19	Surface-enhanced Raman scattering nanotags design and synthesis. 2022 , 171-223		1

18	On the Calculation of Optical Characteristics and Dimensional Shifts of Surface Plasmons of Spherical Bimetallic Nanoparticles. <i>Physics of the Solid State</i> , 2021 , 63, 122-133	0.8	1
17	Plasmonic Nanoparticles: Basics to Applications (I). <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1309, 133-159	3.6	1
16	Enlarge the biologic coating-induced absorbance enhancement of Au-Ag bimetallic nanoshells by tuning the metal composition. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 189, 571-577	4.4	14
15	Bimetallic Ag-Au alloy nanocubes for SERS based sensitive detection of explosive molecules. <i>Nanotechnology</i> , 2020 , 31, 505504	3.4	7
14	Synthesis and Characterization of Au-Zn Nanoalloy by Laser Irradiation in Liquid Media. <i>Acta Physica Polonica A</i> , 2012 , 121, 59-61	0.6	3
13	FDTD Spectroscopic Study of Metallic Nanostructures: On the Pertinent Employment of Tabulated Permittivities. 2008 , 147-173		0
12	Bimetallic Nanoparticles: Synthesis and Characterization. 2017 , 79-96		
11	Self-Assembly of Nanoparticles into Gold Metal Liquid-like Droplets (MeLLDs). <i>Springer Theses</i> , 2018 , 87-117	0.1	
10	Introduction. <i>Springer Theses</i> , 2018 , 1-63	0.1	
9	Full-color based on bismuth core-shell nanoparticles in one-step fabrication. <i>Optics Express</i> , 2020 , 28, 24511-24525	3.3	1
8	Vibrational line shape effects in plasmon-enhanced stimulated Raman spectroscopies. <i>Journal of Chemical Physics</i> , 2021 , 155, 194701	3.9	0
7	Design and performance simulation of a highly sensitive nano-biosensor based on a realistic array of plasmonic synthesized nanostructures. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2022 , 49, 100991	2.6	0
6	Tunable optical and plasmonic response of Au nanoparticles embedded in Ta-doped TiO ₂ transparent conducting films. <i>Physical Review Materials</i> , 2022 , 6,	3.2	3
5	Ag, Co ₃ O ₄ , Ag ₂ Co ₃ O ₄ , and Ag/Co ₃ O ₄ Nanoparticles Decorated Mesoporous Natural Phosphate: Effect of Metal Synergy and Preparation Method on the Catalytic Reduction Reaction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 1	3.2	0
4	The restructure of Au@Ag nanorods for cell imaging with dark-field microscope.. <i>Talanta</i> , 2022 , 244, 123403	6.2	1
3	Early detection of lung cancer via biointerference-free, target microRNA-triggered core-satellite nanocomposites. <i>Nanoscale</i> ,	7.7	0
2	Unconventional properties of engineered Au-Ag nanostructures. <i>Superconductor Science and Technology</i> ,	3.1	0
1	The Fabrication of GoldSilver Bimetallic Colloids by Microplasma: A Worthwhile Strategy for Counteracting the Surface Activity of Avian Influenza Virus. 2023 , 13, 340		0

